

REMARKS

This application has been carefully reviewed in light of the Office Action dated September 11, 2003. Claims 40 to 54 are in the application with Claims 1 to 39 having been canceled and new Claims 40 to 54 having been added. Claims 40, 45 and 50 are the independent claims. Reconsideration and further examination are respectfully requested.

The drawings were objected to. More specifically, Figs. 6A and 8 were objected to for including reference numerals 100, 601 and 800, which were allegedly not described in the specification. Applicants submit that, although not explicitly recited in the specification, reference numerals 100 and 601 are described at page 25, lines 3 to 13 with regard to the vertical length of the remote controller and the origin point, respectively. However, to make the description even clearer, the foregoing paragraph has been amended to more explicitly include reference numeral 601, and to change reference numeral 100 to read "L". No new matter has been added by the amendment. In addition, Fig. 6A has been amended to change "100" to read "L" and this change has been incorporated in a Replacement Sheet that accompanies this Amendment, approval of which is respectfully solicited.

Regarding reference numeral 800, Fig. 8 has been amended to delete this reference numeral and a Replacement Sheet which incorporates this change is submitted herewith. Approval of the Replacement Sheet for Fig. 8 is respectfully requested.

The drawings were also objected to for allegedly not depicted the "l" and "m" as described at page 25 of the specification. Although the "l" and "m" are clearly understood by reading the specification in conjunction with Fig. 6B, Fig. 6B has nonetheless been amended to include a more explicit reference to the "(l, m)" in the "size"

column 606, and to include "(x , y)" in "position" column 605. The above-mentioned Replacement Sheet for Fig. 6A also incorporates this change for Fig. 6B. Thus, approval of the Replacement Sheet for Fig. 6B is respectfully requested.

Figs. 10 and 13 were objected to as allegedly including different reference numbers (1001 and 1000) for the same feature. Applicants submit that, it is clear from the specification and drawings that reference numeral 1001 refers to the "icon information" while reference numeral 1000 refers to the control panel in general. However, Fig. 13 has been amended to make it even clearer which feature reference numeral "1000" refers to. A Replacement Sheet for Fig. 13 which incorporates this change is submitted herewith and approval thereof is respectfully requested.

The specification was objected to for an informality on page 7, which has been attended to by amendment as recited above. Withdrawal of the objection is respectfully requested.

Claims 2, 11, 19, 26 and 34 were objected to for an informality, and Claims 13, 15, 21, 23 and 24 were rejected under 35 U.S.C. § 112, second paragraph. Without conceding the propriety of the objections or rejections, Applicants submit that they are nonetheless obviated by the cancellation of Claims 1 to 39.

Claims 1, 2, 4 to 11, 13 to 19, 21 to 26, 28 to 34 and 36 to 39 were rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by U.S. Patent No. 6,421,069 (Ludtke), and Claims 3, 12, 20, 27 and 35 were rejected under 35 U.S.C. § 103(a) over Ludtke in view of U.S. Patent No. 5,648,824 (Dunn). Without conceding the propriety of the rejections, the rejections are believed to be obviated by the cancellation of Claims 1 to 39. Nonetheless, reconsideration and withdrawal of the rejections are respectfully

requested and Applicants submit that newly-added Claims 40 to 54 are believed to be allowable over the art of record for at least the following reasons.

The present invention relates to a control panel for controlling a controlled apparatus. According to the invention, a control apparatus (such as digital TV 101) transmits information about an operation apparatus (such as remote controller 104), which is to be used to operate a control panel, to a controlled apparatus (such as digital video recorder 104). The controlled apparatus receives the operation apparatus information and modifies control panel information according to the operation apparatus information, and then transmits the modified control panel information to the control apparatus. As a result, the control panel that is displayed on the digital TV can be made to correspond to both the remote controller and the digital video recorder, based on functionality of each.

Referring specifically to the claims, newly-added Claim 40 is a control system, comprising a control apparatus, and a controlled apparatus which transmits control panel information for controlling the controlled apparatus to the control apparatus, wherein the control apparatus transmits information about an operation apparatus which is to be used to operate the control panel to the controlled apparatus, and wherein, if the operation apparatus information is received, the controlled apparatus modifies the control panel information according to the operation apparatus information before the controlled apparatus transmits the control panel information to the control apparatus.

Newly-added Claim 45 includes features along the lines of Claim 40, but is more specifically directed to a controlled apparatus which transmits control panel information for controlling the controlled apparatus to a control apparatus, the controlled apparatus comprising a receiving unit which receives, from the control apparatus, information about an operation apparatus which is to be used to operate a control panel,

and if the operation apparatus information is received, a modifying unit which modifies the control panel information according to the operation apparatus information before the controlled apparatus transmits the control panel information to the control apparatus.

Newly-added Claim 50 is a method claim that substantially corresponds to Claim 45.

The art of record, alone or in any permissible combination, is not seen to disclose or to suggest the features of Claims 40, 45 and 50. In particular, the art of record is not seen to disclose or to suggest at least the feature of a controlled apparatus receiving, from a control apparatus, information about an operation apparatus which is to be used to operate a control panel, and modifying control panel information according to the operation apparatus information before transmitting the control panel information to the control apparatus.

Ludtke is merely seen to disclose including self-describing information within a device so that a graphical representation of the device may be provided for on a display. The graphical representation of the device and a control panel for the device may be displayed on the display. However, Applicants fail to see anything in Ludtke in which any of the devices represented by the graphical display modify the control panel information according to received operation apparatus information before transmitting the control panel information to the control apparatus. That is, it appears as though each device in Ludtke merely transmits the stored device information without any regard as to the functionality of the operation apparatus that is used to control the control panel. Accordingly, the present invention is not believed to be disclosed by or suggested by Ludtke.

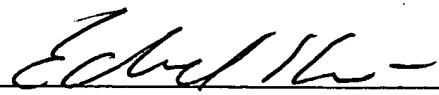
Dunn is merely seen to disclose that a graphical representation of a remote control unit is displayed on a television screen. However, like Ludtke, Applicants fail to see anything in Dunn which discloses or suggests at least the feature of a controlled apparatus receiving, from a control apparatus, information about an operation apparatus which is to be used to operate a control panel, and modifying control panel information according to the operation apparatus information before transmitting the control panel information to the control apparatus.

In view of the foregoing, all of newly-added Claims 40 to 54 are believed to be allowable over the art of record.

No other matters having been raised, the entire application is believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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